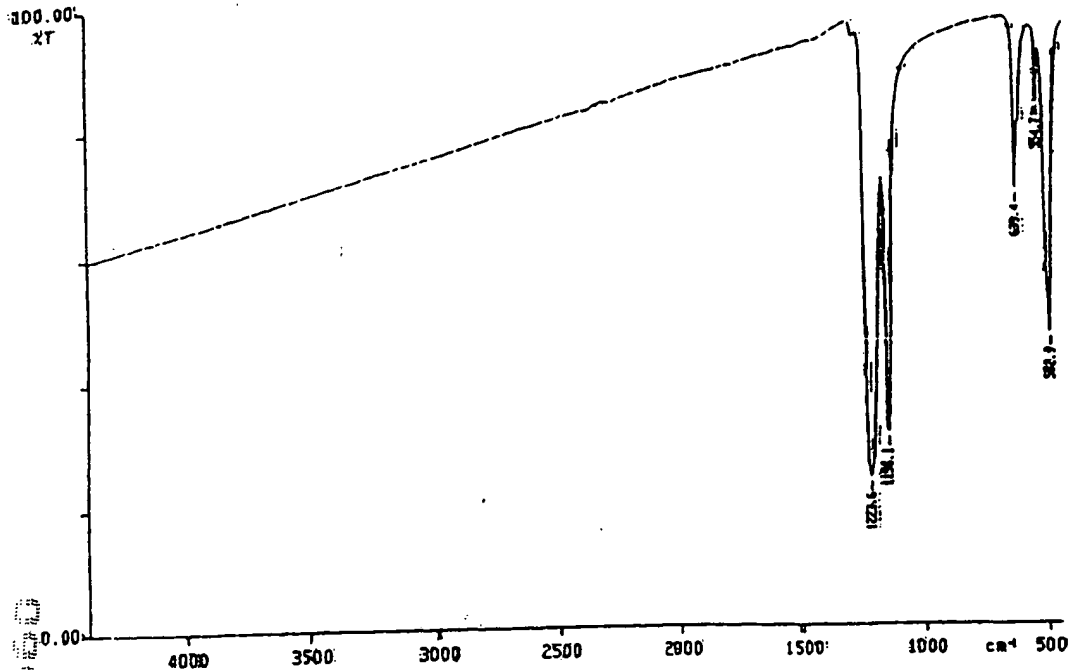


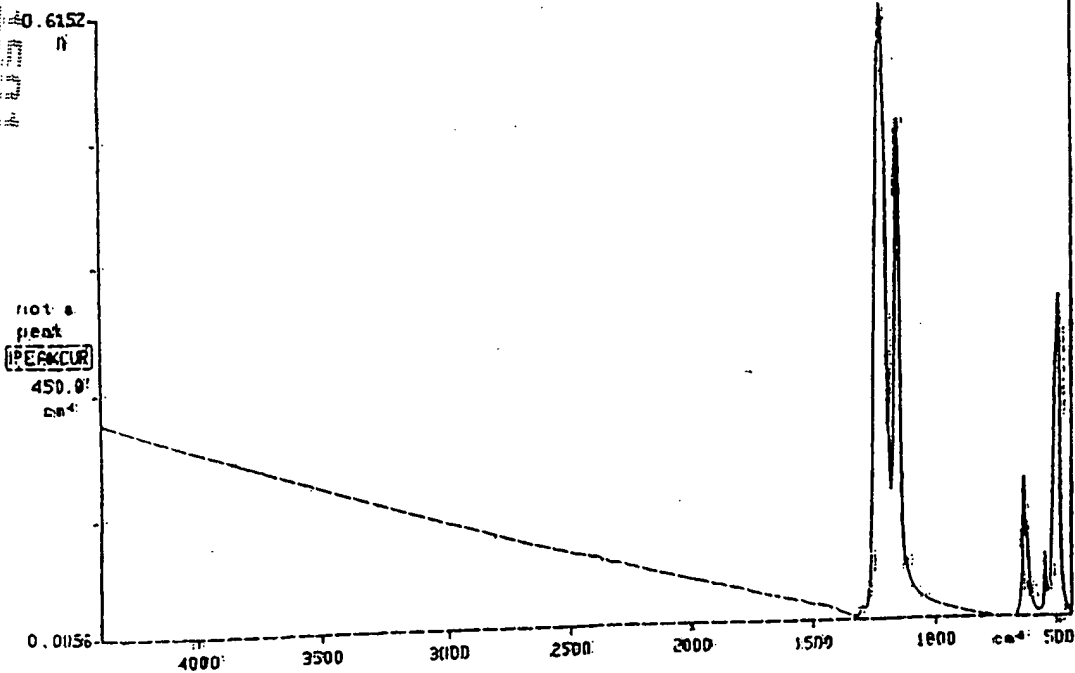
PEAKIN BLANK



00/10/09 15:30
3mteflon: 64 scans, 4.0cm-1
Teflon-type 62

FIGURE 1--- PTFE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP)
AND ABSORBANCE SPECTRUM (BOTTOM)

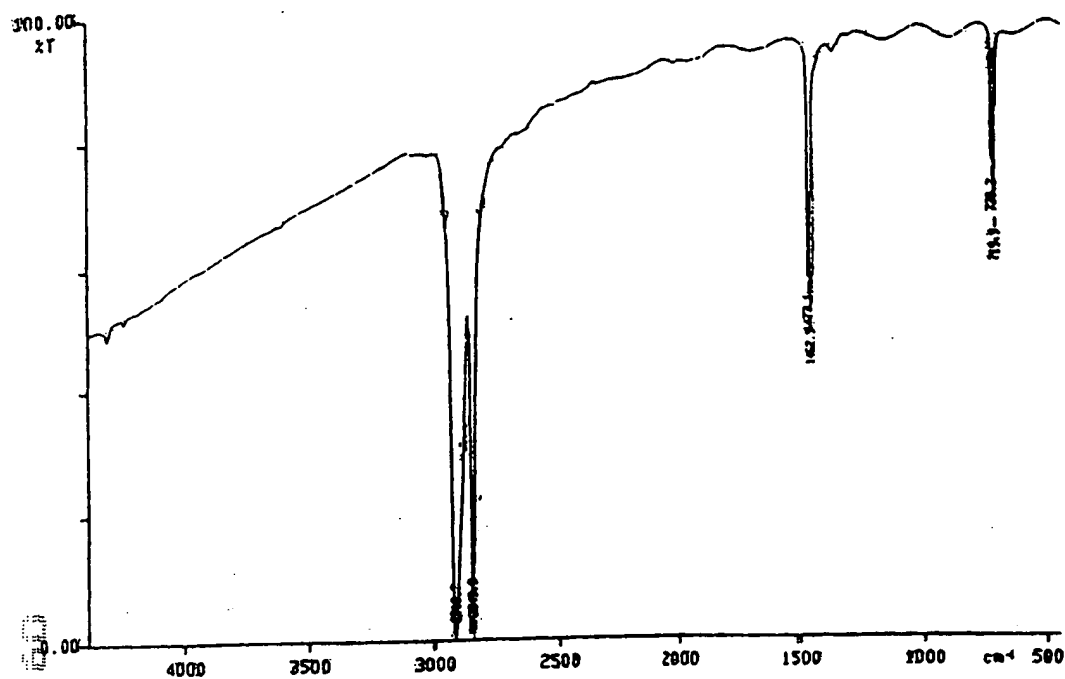
PEAKIN BLANK



not a
peak
450.0
 cm^{-1}

00/10/09 15:30
3mteflon: 64 scans, 4.0cm-1
Teflon-type 62

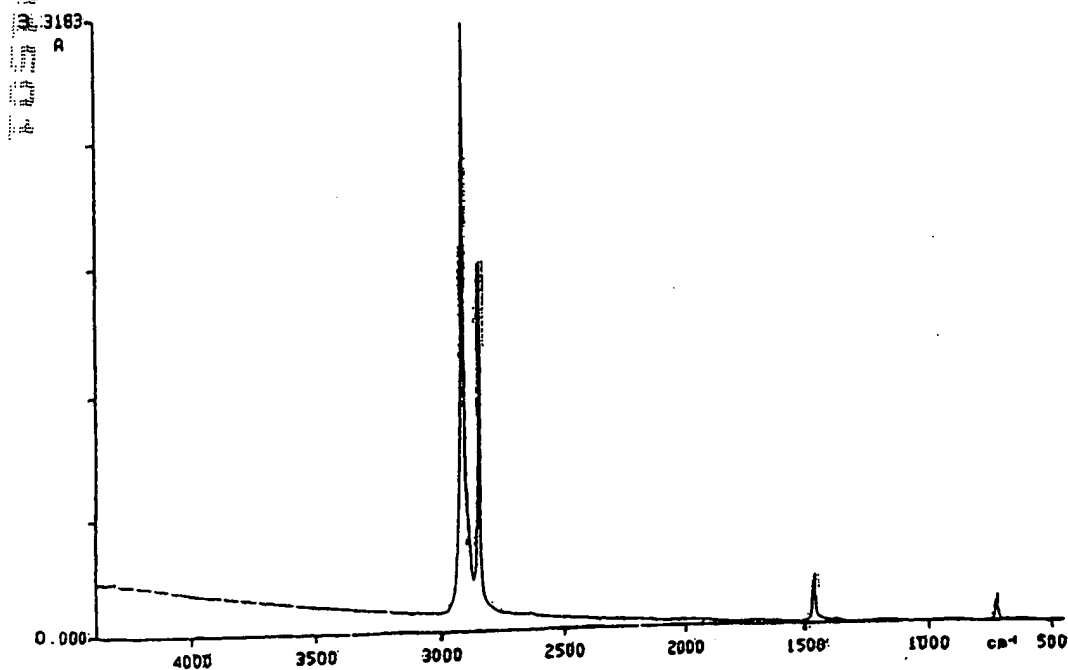
PERKIN ELMER



00/10/09 15:43
36polys 64 scans, 4.0cm⁻¹
Polyethylene-type61

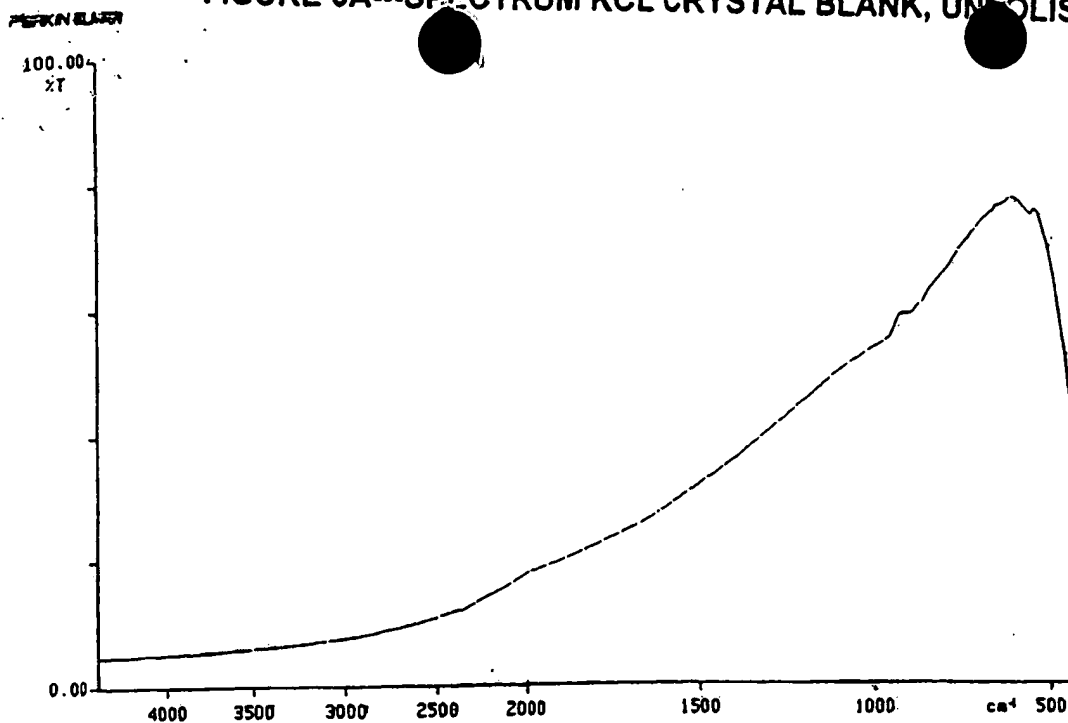
FIGURE 2--- POLYETHYLENE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP) AND ABSORBANCE SPECTRUM (BOTTOM)

PERKIN ELMER

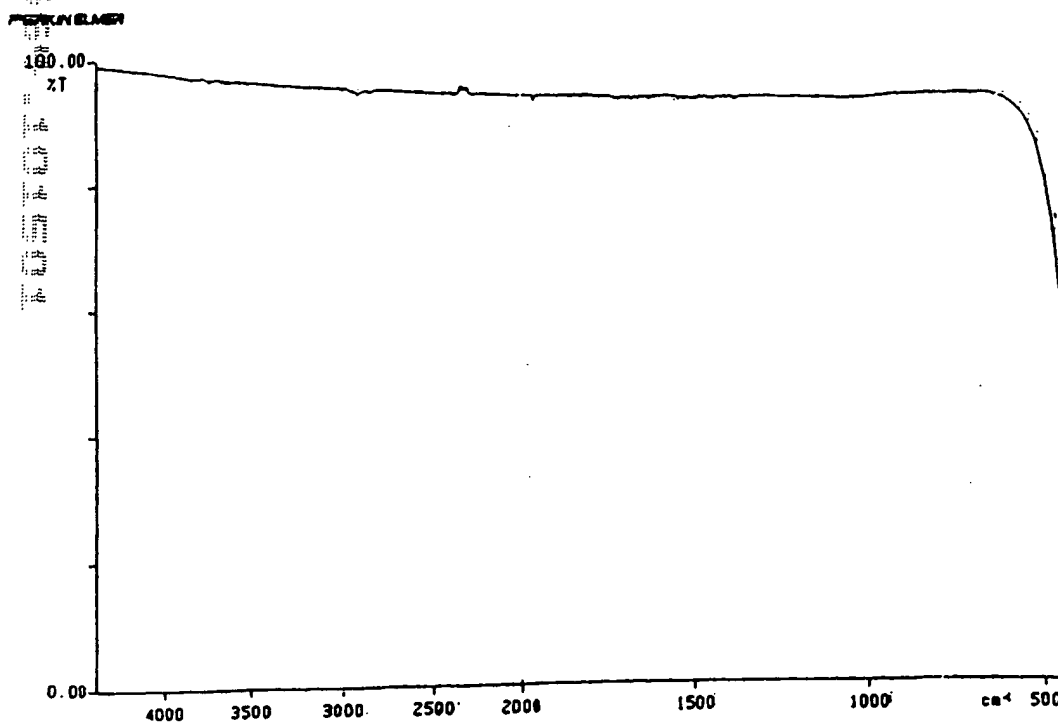


00/10/09 15:43
36polys 64 scans, 4.0cm⁻¹
Polyethylene-type61

FIGURE 3A---SPECTRUM KCL CRYSTAL BLANK, UNPOLISHED



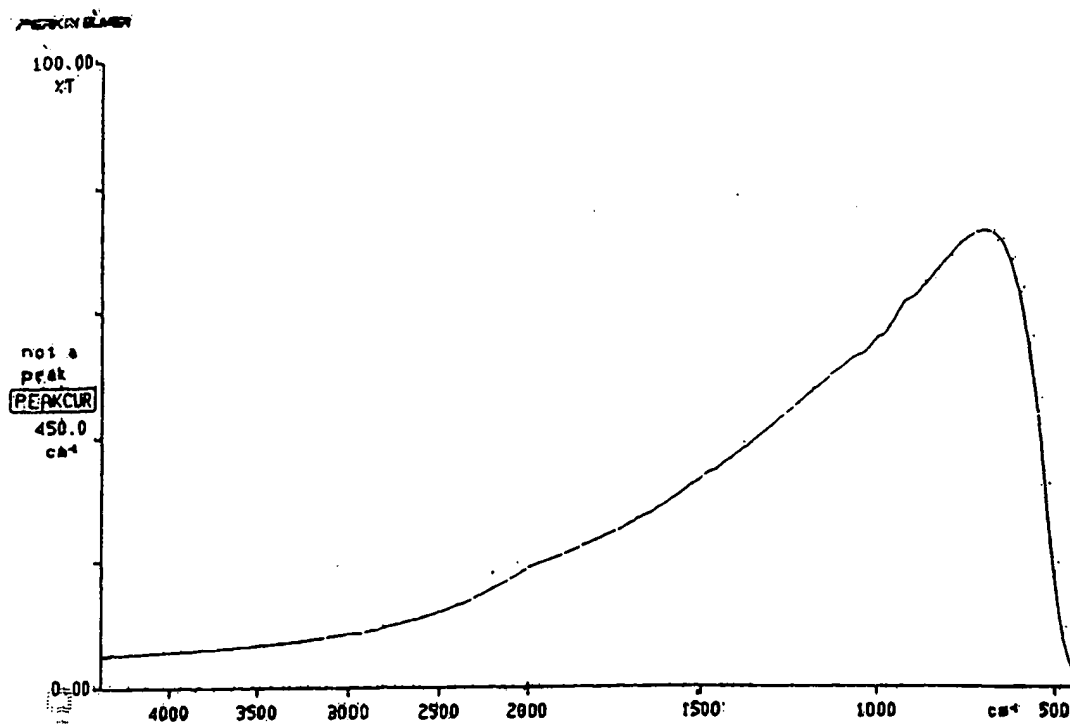
09/10/10 09:36
kc1unp1: 64 scans, 4.0cm-1
kc1 unpol 25x5mm



09/10/10 10:12
kc12: 64 scans, 4.0cm-1
kc1 unpol/H2O pol

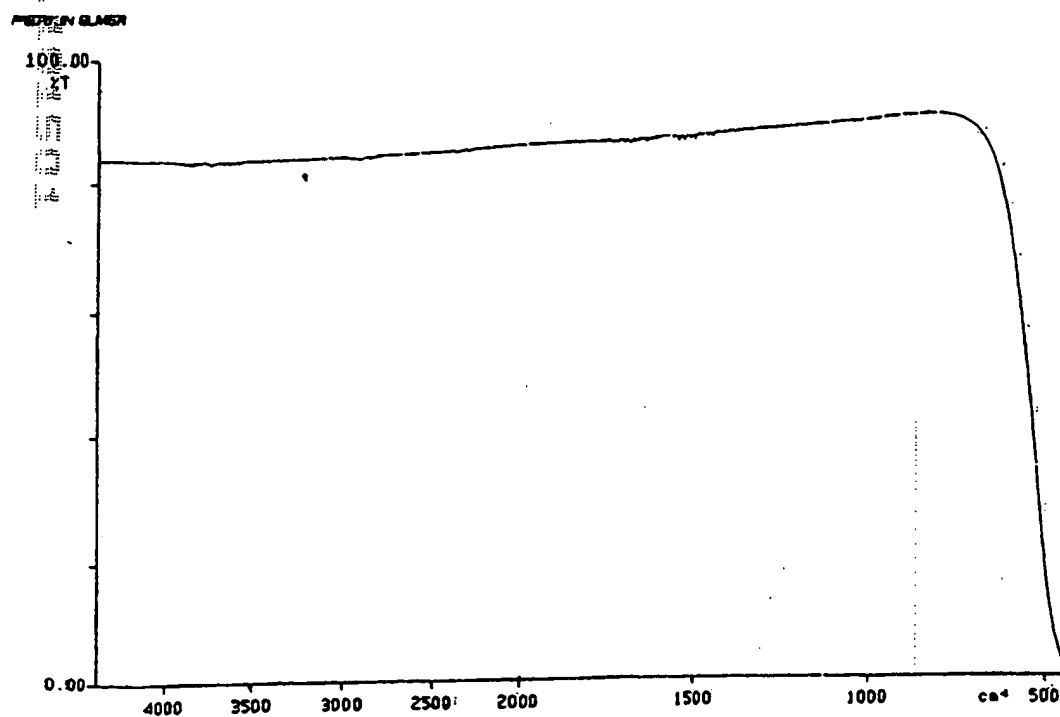
FIGURE 3B---SPECTRUM KCL CRYSTAL BLANK, WATER POLISHED

FIGURE 4A---SPECTRUM NACL CRYSTAL BLANK, UNPOLISHED



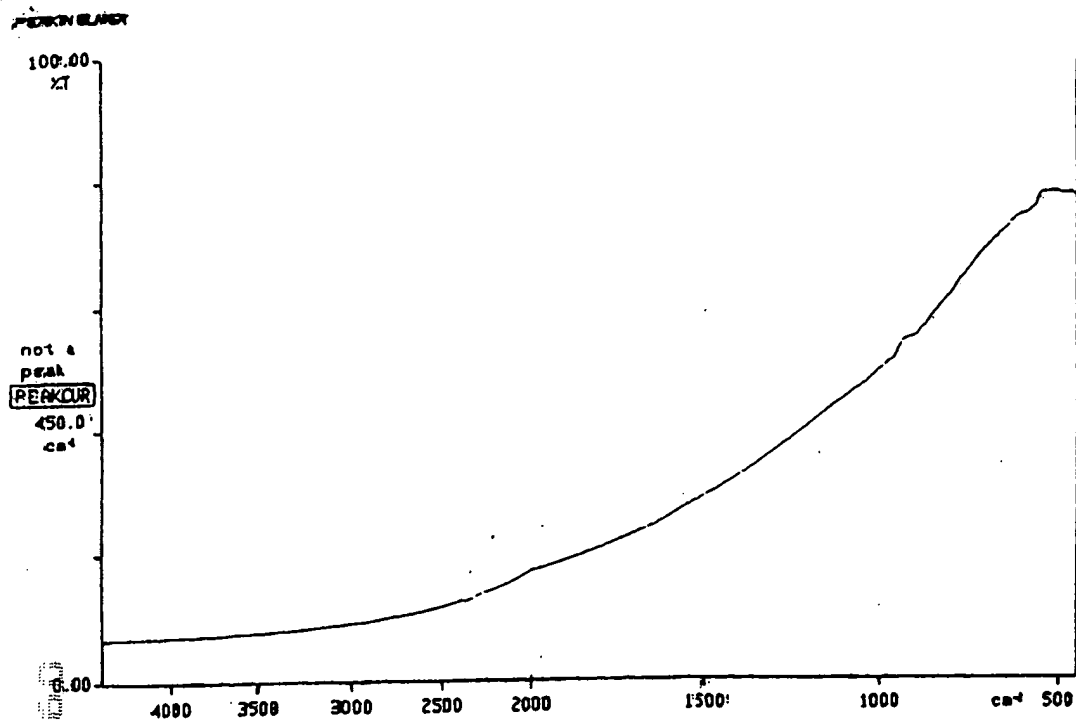
00/10/10 09:31
nac11: 64 scans, 4.0cm⁻¹
NaCl unpol: 25x5mm

FIGURE 4B---SPECTRUM NACL CRYSTAL BLANK, WATER POLISHED

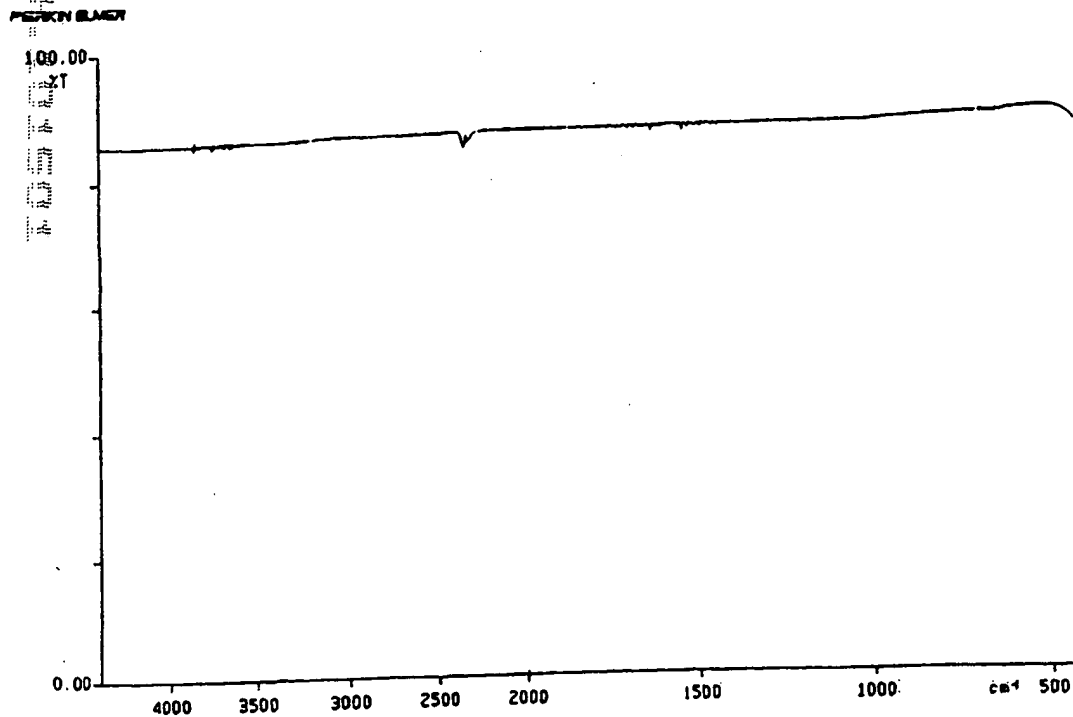


00/10/10 09:45
nac12: 64 scans, 4.0cm⁻¹
NaCl Unpol/h2o pol

FIGURE 5A---SPECTRUM KBR CRYSTAL BLANK, UNPOLISHED



00/00/10 09:24
Kbr: 4 scans, 4.0cm⁻¹
Kbr unpol 25x5mm



00/10/10 14:35
kb2h20p): 4 scans, 4.0cm⁻¹
Kbr unpol/H2O com. pol.

FIGURE 5B---SPECTRUM KBR CRYSTAL BLANK, WATER POLISHED

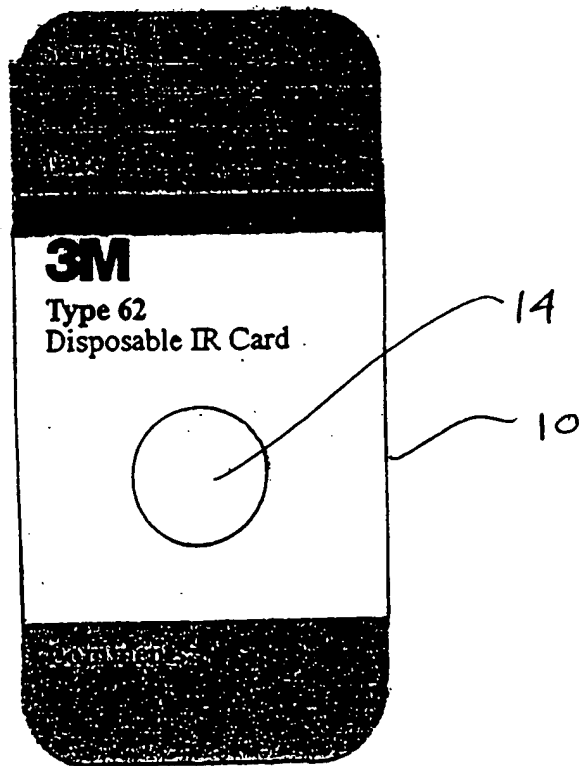



FIGURE 6---3M SAMPLE CARD---PTFE

JANOS ECRAN™
TECHNOLOGY INC. Screen
Cell®
P/N ES18-0000

Date _____
Sample _____



A Green Line Product
US PAT. #5,453,152
JANOS TECHNOLOGY INC.
RTE. 28, TOWNSHEND, VT 05659
802-265-7714

18

16

FIGURE 7---JANOS SCREEN CARD

PERKIN ELMER 4252

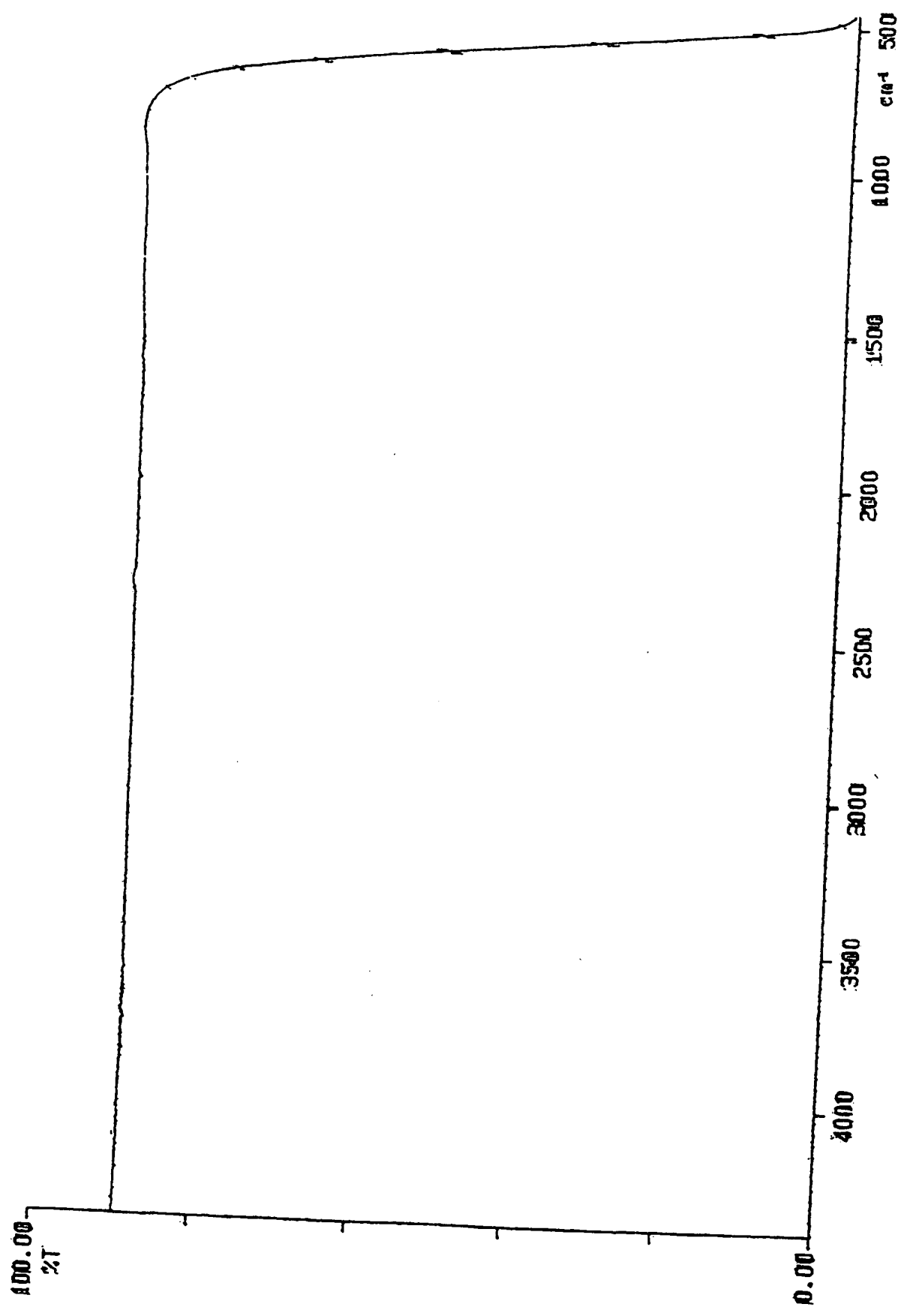


FIGURE 8---SPECTRUM OF CLEAVED NaCl CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

00/10/16 14:24
X: 1 scan, 4.0cm-1

PERKINELMER 1050 FT 1932.000

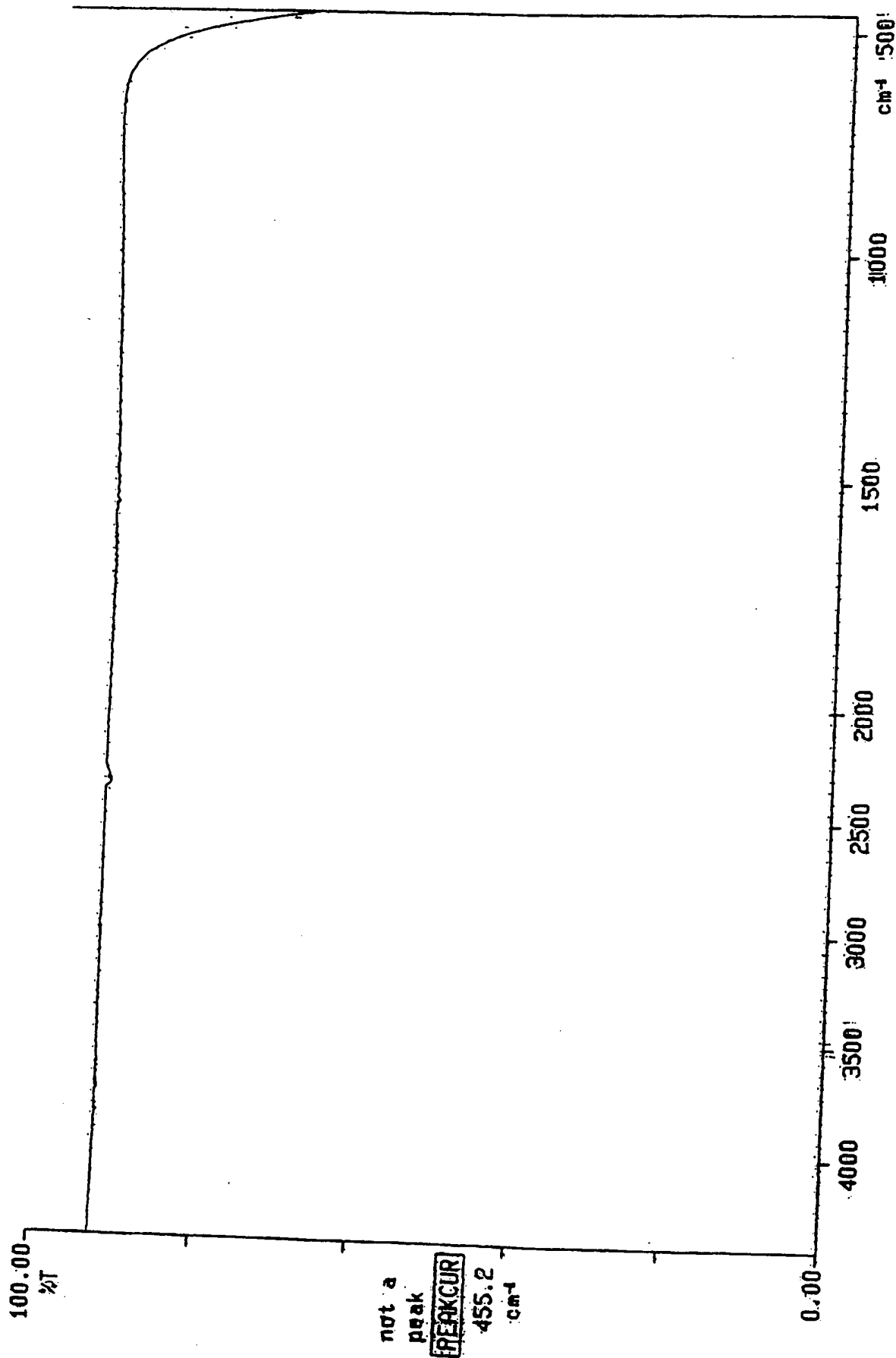
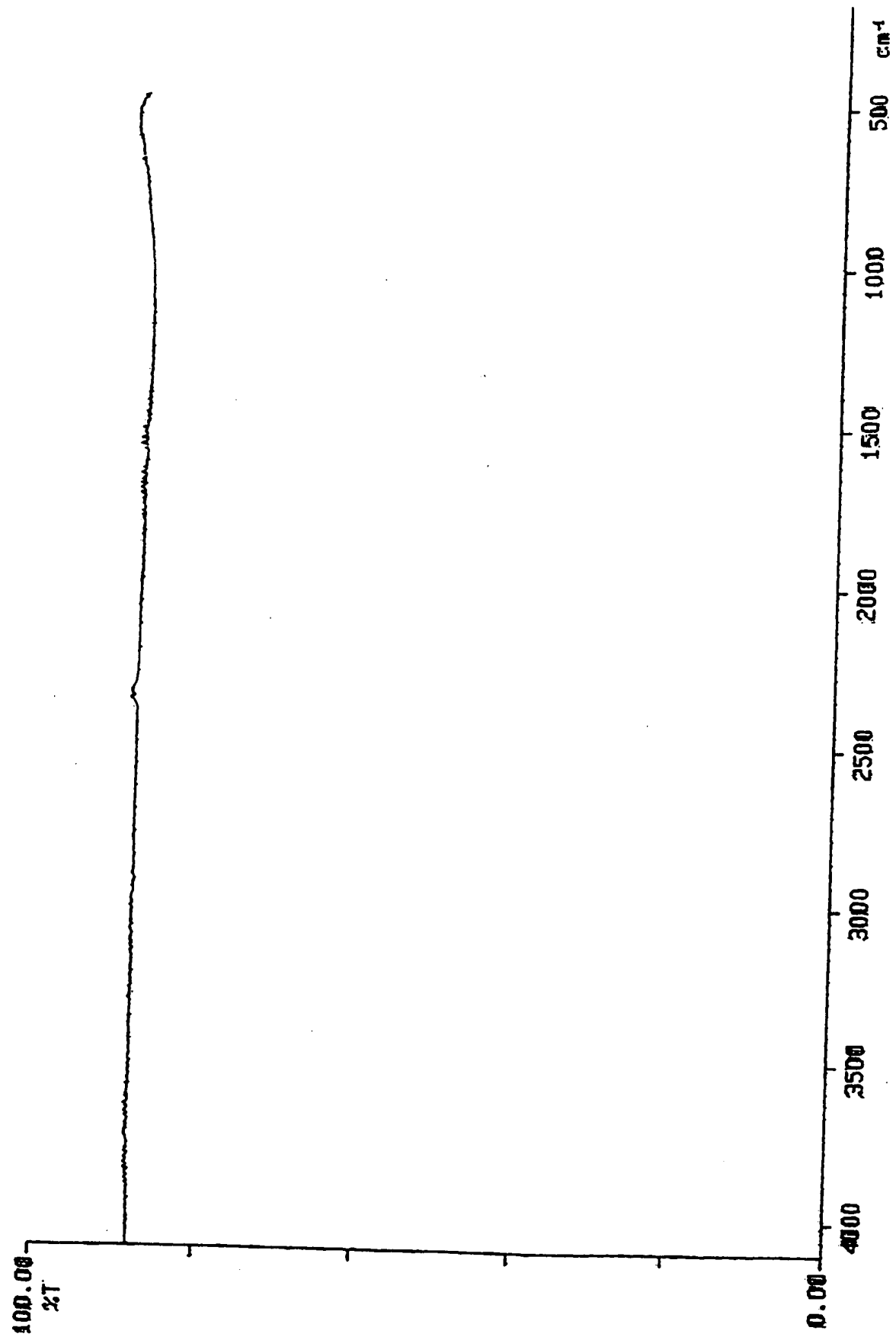


FIGURE 9--SPECTRUM OF CLEAVED KCL CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

00/10/10 11:37
kcl19-03: 64 scans, 4.0cm-1
kcl-101000-003

PERKINELMER



00/10/16 14:09
Z: 1 scan, 4.0cm-1

FIGURE 10---SPECTRUM OF CLEAVED KBR CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

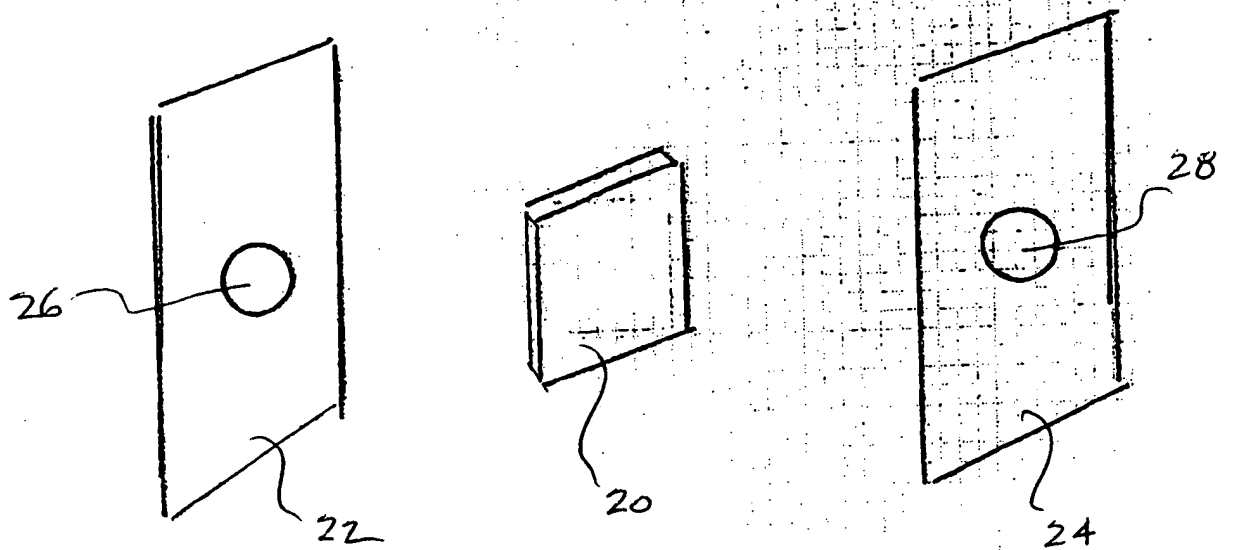


FIGURE 11---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED CRYSTAL WINDOW AS SAMPLE SUPPORT

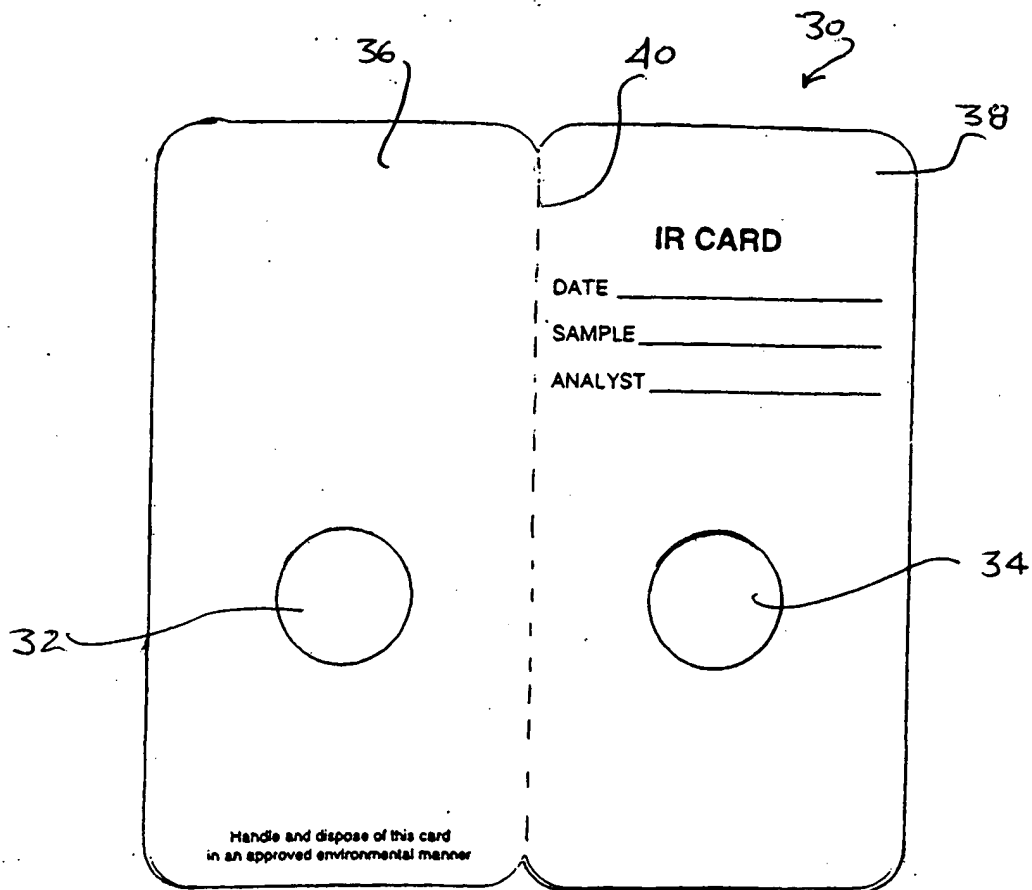


FIGURE 12---SAMPLE CARD FRAME WITH 2 APERTURES FOR FOLD OVER SANDWICHING OF SAMPLE SUPPORT WINDOW

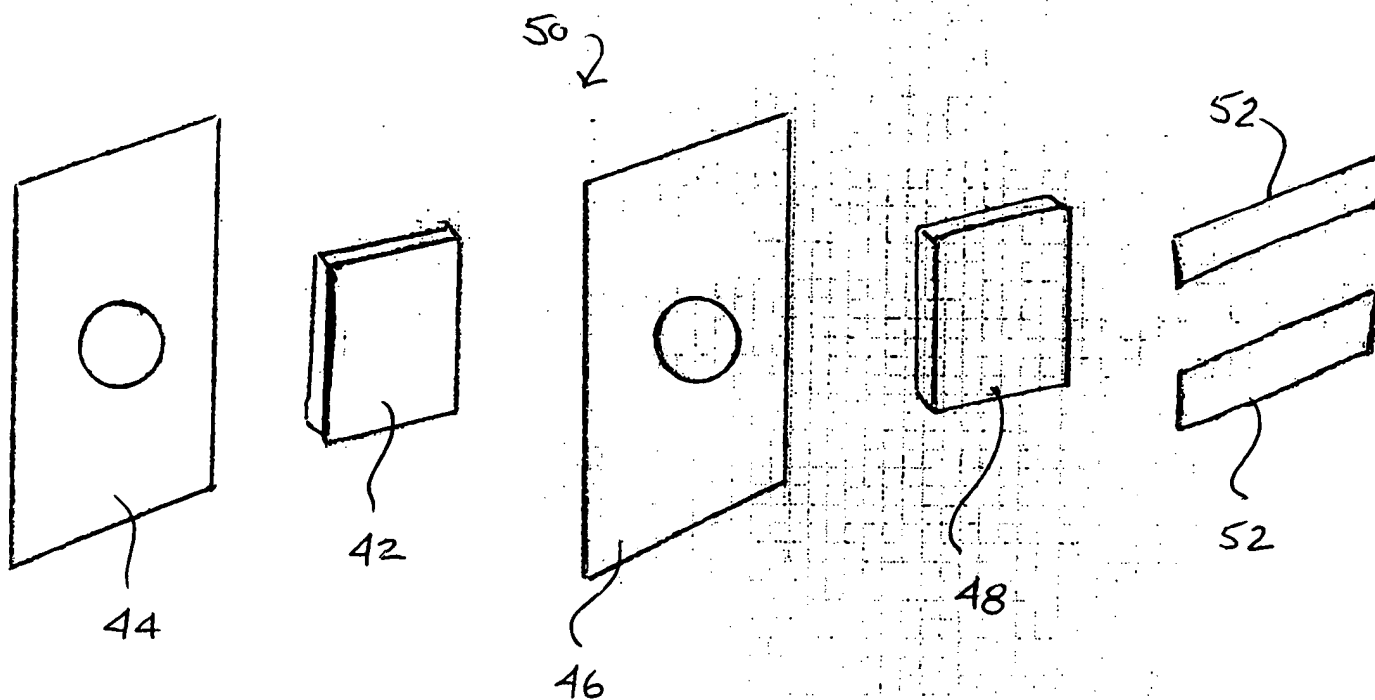


FIGURE 13---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED CRYSTAL AS SAMPLE SUPPORT AND WITH SECOND COVER WINDOW

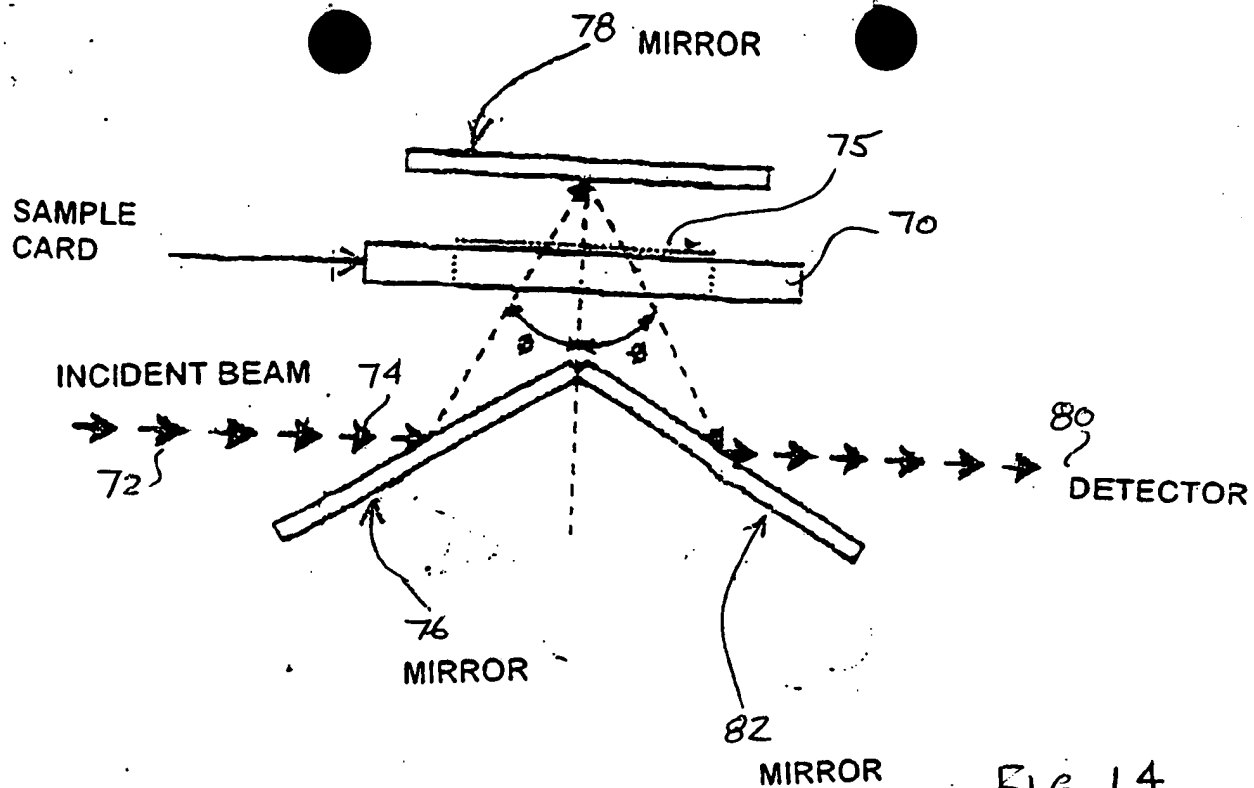


FIG. 14

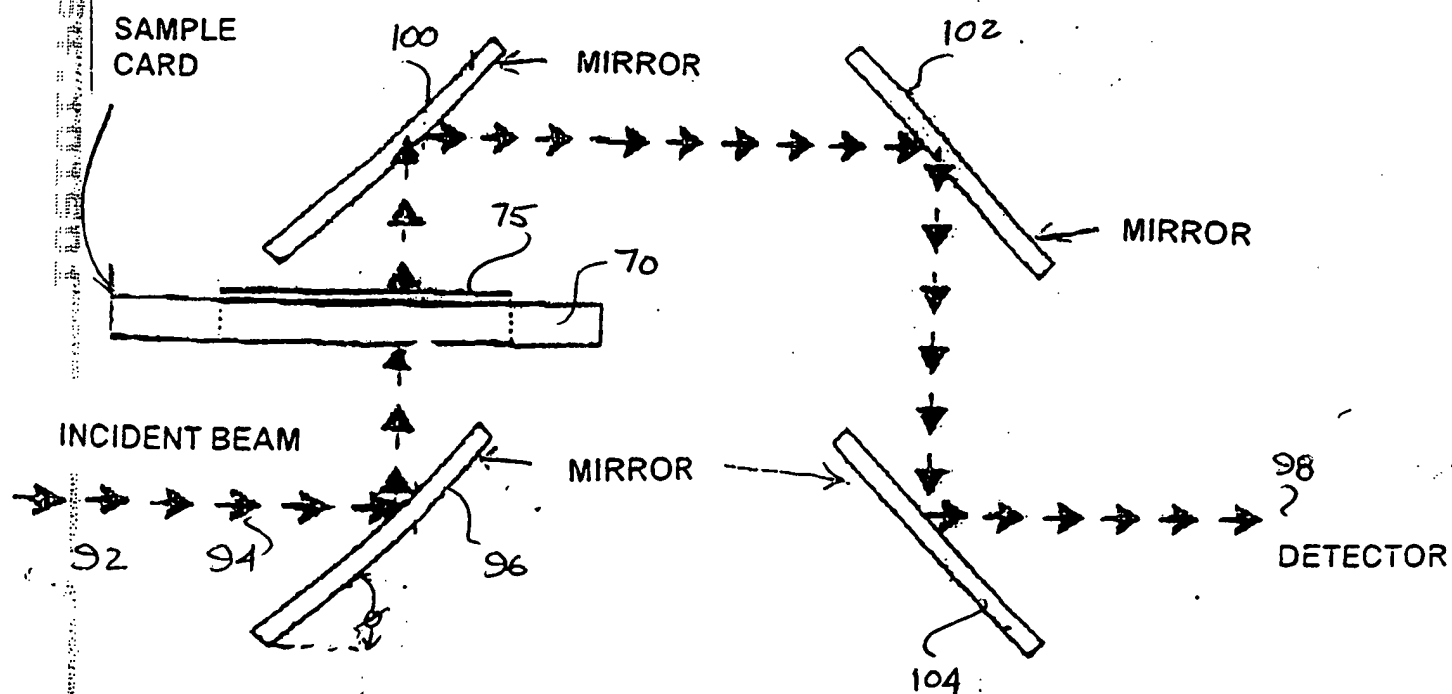


FIGURE 15--USE OF SAMPLE CARD IN HORIZONTAL POSITION

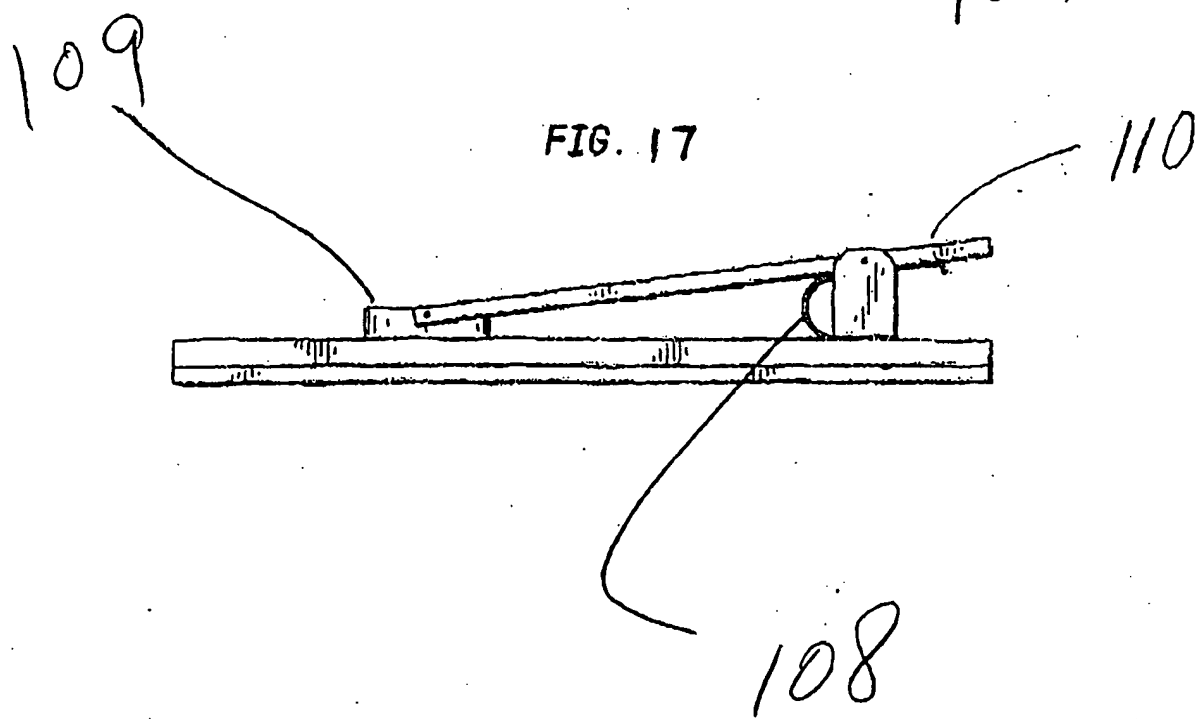
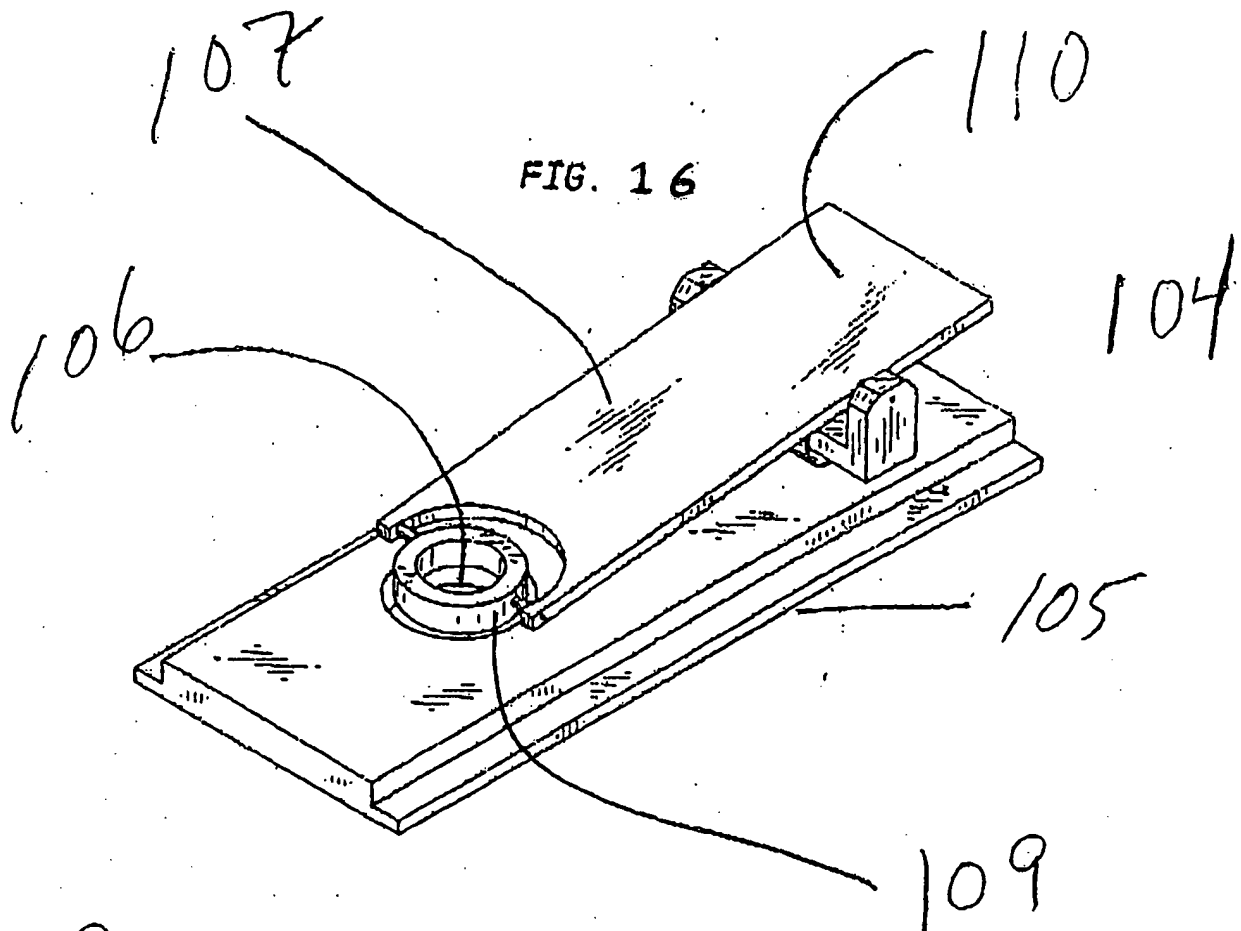


FIG. 18

